

Title (en)  
COST ZONES

Title (de)  
KOSTENGEBIETE

Title (fr)  
ZONES DE COUTS

Publication  
**EP 0870290 A4 19990310 (EN)**

Application  
**EP 96944934 A 19961220**

Priority  
• US 9620427 W 19961220  
• US 58116995 A 19951229

Abstract (en)  
[origin: WO9724705A1] A cost zone about an origin on a digital map includes the area on the map that can be traveled to, from the origin, which has a cost of travel less than a predetermined cost. The cost can be measured in distance, time of travel, ease of turning, tolls, etc. The steps of creating a cost zone include identifying a set of decision points on the map that are within a predetermined factor of the desired cost, triangulating the decision points to create a set of triangles and interpolating along a subset of the sides of the triangles to estimate the locations along the sides that can be traveled to at the desired cost.

IPC 1-7  
**G08G 1/123**; **G06F 19/00**; **G06F 165/00**

IPC 8 full level  
**G01C 21/00** (2006.01); **G01C 21/32** (2006.01); **G07B 15/06** (2011.01)

CPC (source: EP US)  
**G06Q 30/0283** (2013.01 - EP US); **G06Q 30/0284** (2013.01 - EP US); **G07B 15/06** (2013.01 - EP US)

Citation (search report)  
• [A] EP 0372840 A2 19900613 - SUMITOMO ELECTRIC INDUSTRIES [JP]  
• See references of WO 9724705A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9724705 A1 19970710**; AT E228696 T1 20021215; AU 1341597 A 19970728; CA 2240359 A1 19970710; CA 2240359 C 20050920; DE 69625084 D1 20030109; DE 69625084 T2 20030904; EP 0870290 A1 19981014; EP 0870290 A4 19990310; EP 0870290 B1 20021127; JP 2000509483 A 20000725; JP 3703100 B2 20051005; US 5729458 A 19980317; US 6026384 A 20000215; ZA 9610878 B 19980123

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**US 9620427 W 19961220**; AT 96944934 T 19961220; AU 1341597 A 19961220; CA 2240359 A 19961220; DE 69625084 T 19961220; EP 96944934 A 19961220; JP 52448497 A 19961220; US 58116995 A 19951229; US 95453497 A 19971021; ZA 9610878 A 19961223